

**CDC Short Course (5 days)**  
**Diabetes Public Health and Research**  
**Centers for Disease Control and Prevention**  
**Division of Diabetes Translation**  
**Atlanta, Georgia, USA**

Diabetes is a major public health and economic problem within the United States and worldwide. Several efficacious interventions are available to prevent diabetes and its complications, but they are complex and challenging, and are not often used. This appears to be true in all countries and across different health care systems. The major barriers to deliver effective interventions are at these four levels: environment/society; the health care system; the health care provider; and the individual.

CDC's Division of Diabetes Translation has assembled a team of practitioners and researchers with expertise to lead a short course on the following topics: diabetes public health, translation research, health economics, social and behavioral research, and program development.

**Dates**

5-day course: October 20 – 24, 2003  
Deadline to apply: June 7, 2003  
Notify selected candidates: June 20, 2003

**Location**

D. Abbot Turner Center, Emory University Campus  
1703 Clifton Road NE, Atlanta, GA 30322

**Expenses**

- No tuition fee
- Candidates provide own travel and local expenses
- Hotels located within walking distance of the conference center
  - Emory Inn (about \$119 per night; group rates may be available)
  - Emory Conference Center Hotel (about \$169 per night; group rates may be available)

**Visiting Faculty**

Carol Mangione, MD, MSPH, Professor of Medicine, and  
Arleen F. Brown, MD, PhD, Assistant Professor of Medicine

Division of General Internal Medicine and Health Services Research, Department of General Internal Medicine and Health Services Research, Department of Medicine, David Geffen School of Medicine at UCLA, Los Angeles, California

## **CDC Faculty**

Tanya Armour, PhD  
Stephanie Benjamin, PhD  
Barbara Bowman, PhD  
Cindy Clark, MA  
Michael Engelgau, MD, MS  
Linda Geiss, MS  
Edward Gregg, PhD  
Pina Imperatore, MD, PhD  
Leonard Jack, PhD, MS  
Dara Murphy, MPH  
Venkat Narayan, MD, MPH, MBA  
Jinan Saaddine, MD  
Dawn Satterfield, PhD, CDE  
Steve Sorensen, PhD  
Ted Thompson, MS  
Rodolfo Valdez, PhD  
Frank Vinicor, MD, MPH  
Desmond Williams, MD, PhD  
Ping Zhang, PhD

## **Course Director**

K.M. Venkat Narayan, MD, MPH, MBA

## **Program Assistant**

Susana Moran, BS

## **Eligibility**

Twenty students will be selected to participate. Students must have a background in at least one of the following: public health higher education, a U.S. state diabetes prevention and control program, or programs overseas, such as the World Health Organization or similar experience.

The minimum eligibility requirement is a master's of public health degree or equivalent or at least 2 years experience in public health research within the previous 5 years. Please provide some evidence (courses, published papers) of research training in a relevant discipline, such as epidemiology, statistics, health services research, health economics, or sociology, or have earned an MD or PhD degree.

## **Selection Process**

The course will be announced through CDC, state diabetes prevention and control programs, American Diabetes Association, World Health Organization, International Diabetes Federation, Association of Schools of Public Health, Association of Teachers of Preventive Medicine, American Public Health Association, and other relevant networks.

Using a standardized application form, apply before June 7, 2003. Form is available on the Web at

<http://www.cdc.gov/diabetes/conferences/short/index.htm>. Please provide the following as part of the application:

- A 250-word or less description on why you wish to attend the course and what you expect to achieve from it
- Confirm the source of funds to cover travel and accommodations, whether it is yourself or your organization. If you have a sponsor (employer or other), provide a letter confirming that financial support will be available.

**CDC's Division of Diabetes Translation may be able to offer travel expenses for two candidates, selected strictly on the basis of need. If you need this assistance, please explain the following: (1) why you could not find another source of funds; (2) name other sources you have contacted for funds (provide a letter to confirm); and (3) whether you have approached your employer for support (provide a letter to confirm).**

- Selection for travel assistance from CDC will be based on the following, but we will give preference to people from developing countries:
  - A. Need
  - B. Level of qualifications, experience, and seniority
  - C. Degree of benefit to the person and organization

An independent selection committee will review the applications using objective criteria to select candidates for the course. We will inform candidates by June 20, 2003, whether they have been selected.

## **Course Goals**

- To provide basic subject matter information on diabetes public health and epidemiology
- To provide basic training in diabetes translation research and health economics
- To create a national and international network of collaborators who have at least basic training in translation research and health economics

## Course Objectives

Familiarize students with

- diabetes epidemiology
- standardized measurement(s) of the public health burden of diabetes
- the rationale, concept, and methods used in translation research, health economics, social and behavioral research, and community-based interventions and programs.

Help students develop skills in diabetes public health and translation research.

## Tentative Agenda

### Day 1

#### Public Health Issues Related to Diabetes

##### Lectures

Time	Title	Faculty
9 AM - 9:30 AM	Introduction	Venkat Narayan, MD, MPH, MBA
9:45 AM - 10:45 AM	A U.S. Perspective	Michael Engelgau, MD, MS
11 AM - noon	An International Perspective	Edward Gregg, PhD
1:15 PM - 2:15 PM	Public Health Surveillance	Stephanie Benjamin, PhD and Linda Geiss, MS
2:30 PM - 3:30 PM	Modifiable Risk Factors	Rodolfo Valdez, PhD
3:45 PM - 4:45 PM	Primary Prevention	Barbara Bowman, PhD

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### Day 2

#### Public Health Issues Related to Diabetes

##### Lectures

Time	Title	Faculty
9 AM – 10:30 AM	Screening for Diabetes and Pre-Diabetes	Michael Engelgau, MD, MS
10:30 AM – noon	Diabetes in Children	Pina Imperatore, MD, PhD
1 PM – 2:30 PM	Diabetes Complications	Venkat Narayan, MD, MPH, MBA
2:30 PM – 3:45 PM	Quality-of-Care Measures	Jinan Saaddine, MD, MPH
3:45 PM – 5 PM	Vision for Diabetes Public Health	Frank Vinicor, MD, MPH

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**Day 3**  
**Translation Research**

**Lectures**

<b>Time</b>	<b>Title</b>	<b>Faculty</b>
9 AM – 9:45 AM	Introduction	Venkat Narayan, MD, MPH, MBA
10 AM – 10:45 AM	Review of Interventions to Improve Care	Carol Mangione, MD, MSPH
11 AM – 11:45 AM	Importance of Measuring Social Position	Arleen F. Brown, MD, PhD

<b>Time</b>	<b>Title</b>	<b>Faculty</b>
<b>Workshops</b>		
1 PM – 3 PM	Designing Translation Research Projects	Carol Mangione, MD, MSPH, and Arleen F. Brown, MD, PhD
3 PM – 5 PM	Measuring System-Level and Provider-Level Factors	Carol Mangione, MD, MSPH, and Arleen F. Brown, MD, PhD

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**Day 4**  
**Translation Research (continued) and Diabetes Economics**

**Translation  
Research –  
Workshops**

<b>Time</b>	<b>Title</b>	<b>Faculty</b>
9 AM – 10:30 AM	Behavioral and Social Science Research	Leonard Jack, PhD, MS, and Dawn Satterfield PhD, CDE
10:30 AM – noon	Statistical Challenges in Translation	Ted Thompson, MS
1 PM – 2:30 PM	What Makes a Systematic Review?	Tanya Armour, PhD
2:30 PM – 4 PM	Complexity and Change	Venkat Narayan, MD, MPH, MBA

**Diabetes  
Economics –  
Lecture**

<b>Time</b>	<b>Title</b>	<b>Faculty</b>
4 PM – 5 PM	Introduction	Venkat Narayan, MD, MPH, MBA

**Day 5****Diabetes Economics (continued) and Community-Based and System Interventions****Diabetes Economics  
– Workshops**

<b>Time</b>	<b>Title</b>	<b>Faculty</b>
9 AM – 11 AM	Measuring Costs and Benefits	Ping Zhang, PhD, and Michael Engelgau, MD, MS
11 AM – 1 PM	Model Demonstration	Ping Zhang, PhD, and Steve Sorensen, PhD

**Community-Based  
and System  
Interventions –  
Lecture**

<b>Time</b>	<b>Title</b>	<b>Faculty</b>
2 PM – 3 PM	Introduction – Diabetes Prevention and Control Programs	Dara Murphy, MPH

**Workshop**

<b>Time</b>	<b>Title</b>	<b>Faculty</b>
3 PM – 5 PM	Program Evaluation and Evaluation Research	Cindy Clark, MA, and Desmond Williams, MD, PhD